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EUROPEAN PATENT APPLICATION

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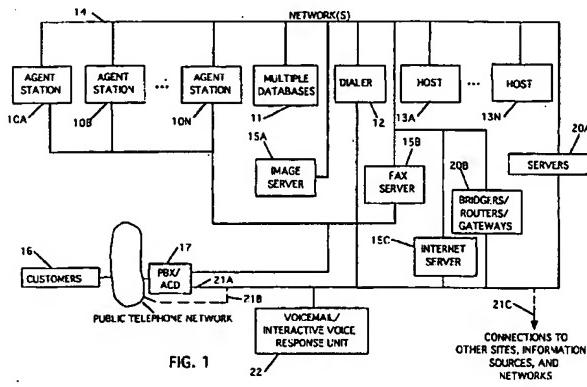
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NL PT SE(30) Priority: 07.05.1996 US 16782
17.04.1997 US 840906(71) Applicant: INVENTIONS, INC.
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(54) Call center

(57) An object is dynamically created which contains all of the information relating to connections established during a transaction. This object also contains information and/or pointers to information which was used in a communication during the transaction. The object further contains tests for triggering events. When a triggering event occurs the connections are automatically re-established so that a further communication relating to a transaction may be accomplished with excellent efficiency and without any duplication of effort by an agent (including an electronic agent or device) to locate information which was located during the previous communication. The test is administered by a business process mediator, which invokes a business task mediator, which may invoke multiple lesser task mediators, each

of which may invoke additional lesser task mediators. Task mediators perform functions ranging from a lower level function, such as detecting a dial tone, to a higher level function, such as connecting a customer to an agent and providing all relevant customer information to the agent. The calling of a higher level task mediator automatically invokes the calling of the lesser, lower level task mediators necessary to accomplish the specified task. Thus, the various task mediators automatically reconstruct the connections necessary to accomplish the further communications. The communications may be by telephone, conventional mail, facsimile, electronic mail, internet, wireless, satellite, cable TV, radio, or other means and may involve audio, video, text, facsimile or electronic mail documents, pictures, spreadsheets, etc.





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EUROPEAN SEARCH REPORT

Application Number

EP 97 30 2951

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
X	EP 0 425 161 A (AMERICAN TELEPHONE & TELEGRAPH) 2 May 1991 (1991-05-02) * column 3, line 11 - line 50 *	1-3,13, 29,30	H04M3/50						
X	GB 2 290 193 A (INTERCOM DATA SYSTEMS LTD) 13 December 1995 (1995-12-13) * page 2, line 5 - page 3, line 21 *	1-3,13, 29,30							
X	EP 0 470 415 A (ROLM SYSTEMS) 12 February 1992 (1992-02-12) * column 2, line 16 - column 3, line 39 *	1-3,13, 29,30							
X	EP 0 604 041 A (AT & T CORP) 29 June 1994 (1994-06-29)	25							
A	* column 8, line 40 - column 11, line 38 *	26,28							
X	EP 0 426 361 A (IBM) 8 May 1991 (1991-05-08) * column 6, line 49 - column 7, line 24 *	25							
A	EP 0 633 685 A (TEKNEKRON INFOSWITCH CORP) 11 January 1995 (1995-01-11)	-----	TECHNICAL FIELDS SEARCHED (Int.Cl.6)						
			H04M						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>9 November 1999</td> <td>Vandevenne, M</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	9 November 1999	Vandevenne, M
Place of search	Date of completion of the search	Examiner							
THE HAGUE	9 November 1999	Vandevenne, M							
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document							
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document									



European Patent
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Application Number
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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 97 30 2951

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-24; 29,30

Establishing a second communication using information contained in a composite call object

2. Claims: 25-28

Method or system for implementing a predetermined process in response to the occurrence of a triggering event.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 2951

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
 The members are as contained in the European Patent Office EDP file on
 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-11-1999

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0425161 A	02-05-1991	US	5008930 A	16-04-1991
		CA	2022955 A,C	25-04-1991
		DE	69024325 D	01-02-1996
		DE	69024325 T	15-05-1996
		JP	2067790 C	10-07-1996
		JP	3145859 A	21-06-1991
		JP	7101906 B	01-11-1995
		JP	2775196 B	16-07-1998
		JP	3145860 A	21-06-1991

GB 2290193 A	13-12-1995		NONE	

EP 0470415 A	12-02-1992	AT	181198 T	15-06-1999
		DE	69131307 D	15-07-1999
		US	5181239 A	19-01-1993

EP 0604041 A	29-06-1994	AT	176974 T	15-03-1999
		CA	2102092 A,C	22-06-1994
		DE	69323610 D	01-04-1999
		DE	69323610 T	12-08-1999
		US	5590187 A	31-12-1996

EP 426361 A	08-05-1991	US	5040208 A	13-08-1991
		DE	69017589 D	13-04-1995
		DE	69017589 T	05-10-1995
		JP	2059225 C	10-06-1996
		JP	3160865 A	10-07-1991
		JP	7099840 B	25-10-1995

EP 0633685 A	11-01-1995	AU	677393 B	24-04-1997
		AU	6730694 A	19-01-1995
		US	5555299 A	10-09-1996
		US	5684870 A	04-11-1997
		US	5937051 A	10-08-1999
